FIG. 1

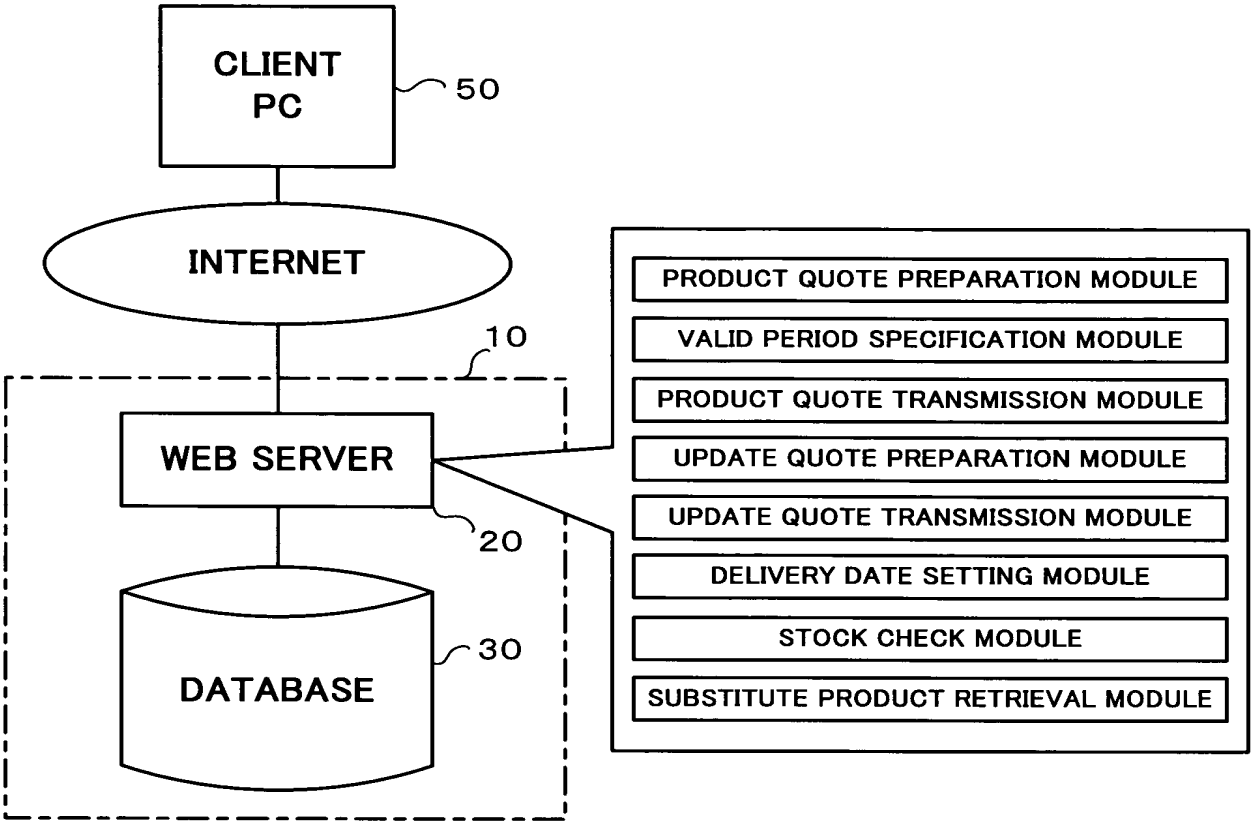

CLIENT PC
50
INTERNET
10
WEB SERVER
20
DATABASE
30
PRODUCT QUOTE PREPARATION MODULE
VALID PERIOD SPECIFICATION MODULE
PRODUCT QUOTE TRANSMISSION MODULE
UPDATE QUOTE PREPARATION MODULE
UPDATE QUOTE TRANSMISSION MODULE
DELIVERY DATE SETTING MODULE
STOCK CHECK MODULE
SUBSTITUTE PRODUCT RETRIEVAL MODULE

FIG. 2

(a) PRODUCT INFORMATION TABLE

Product	Product Information		
	System Unit Price	Stock	Substitute Products
Tower Personal Computer Model : XX OS : AAAAA CPU : BBBBB Memory : CCCCC	¥ xxxxx	XXX	Model YY
Tower Personal Computer Model : XY OS : A' A' A' A' A'	¥ XXXYY	XXY	Model ZZ Model ZX :

(b) QUOTATION INFORMATION TABLE

Quotation ID	Client Information	Electric Quotation Information			
		Product Quote		Delivery Date	Valid Period
		Specified Product	Price		
0A01	Postal Address:○○ Name:□□ TEL : × × FAX : △△ Mail Address: ##@aaa.bbb	Tower Personal Computer Model : XX Quantity : 1 OS : AAAAA CPU : BBBBB Memory : CCCCC	Sub-Total : ¥ xxxxx Postage : ¥ yyyyy	AA	xxxx/xx/xx
0A02	Postal Address:□△ Name:○ ×	Tower Personal Computer Model : XY Quantity : 2	Sub-Total : ¥ aaaaa Postage : ¥ bbbbb	AB	xxxx/xx/xy

FIG. 3

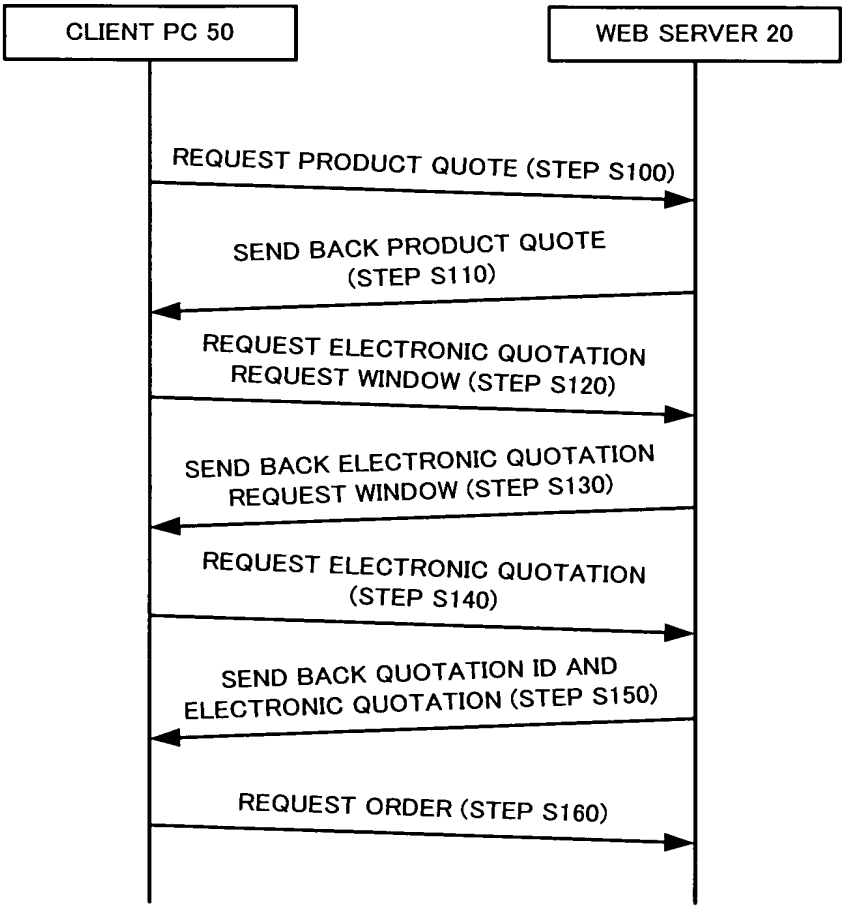

CLIENT PC 50
WEB SERVER 20
REQUEST PRODUCT QUOTE (STEP S100)
SEND BACK PRODUCT QUOTE (STEP S110)
REQUEST ELECTRONIC QUOTATION REQUEST WINDOW (STEP S120)
SEND BACK ELECTRONIC QUOTATION REQUEST WINDOW (STEP S130)
REQUEST ELECTRONIC QUOTATION (STEP S140)
SEND BACK QUOTATION ID AND ELECTRONIC QUOTATION (STEP S150)
REQUEST ORDER (STEP S160)

FIG. 4

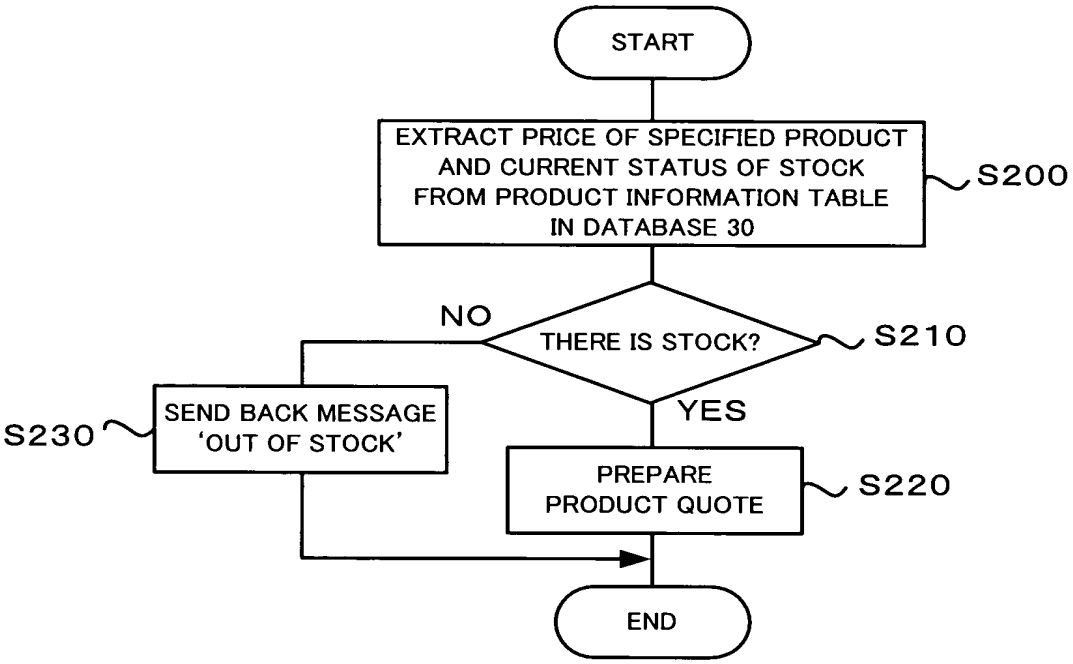

START
EXTRACT PRICE OF SPECIFIED PRODUCT AND CURRENT STATUS OF STOCK FROM PRODUCT INFORMATION TABLE IN DATABASE 30
S200
THERE IS STOCK?
S210
NO
YES
SEND BACK MESSAGE 'OUT OF STOCK'
S230
PREPARE PRODUCT QUOTE
S220
END

FIG. 5

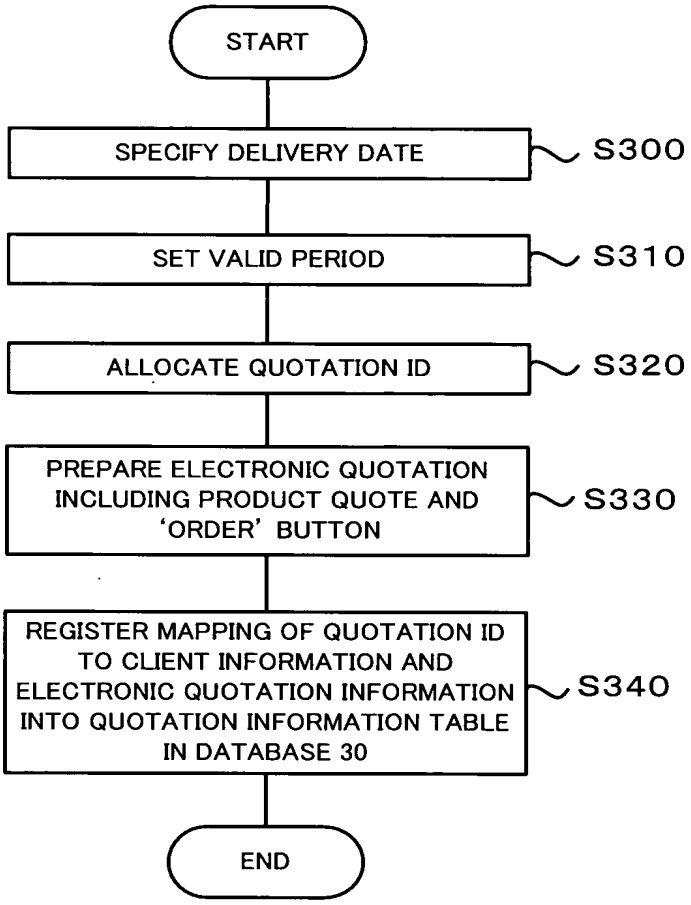

START
SPECIFY DELIVERY DATE
S300
SET VALID PERIOD
S310
ALLOCATE QUOTATION ID
S320
PREPARE ELECTRONIC QUOTATION INCLUDING PRODUCT QUOTE AND 'ORDER' BUTTON
S330
REGISTER MAPPING OF QUOTATION ID TO CLIENT INFORMATION AND ELECTRONIC QUOTATION INFORMATION INTO QUOTATION INFORMATION TABLE IN DATABASE 30
S340
END

FIG. 6

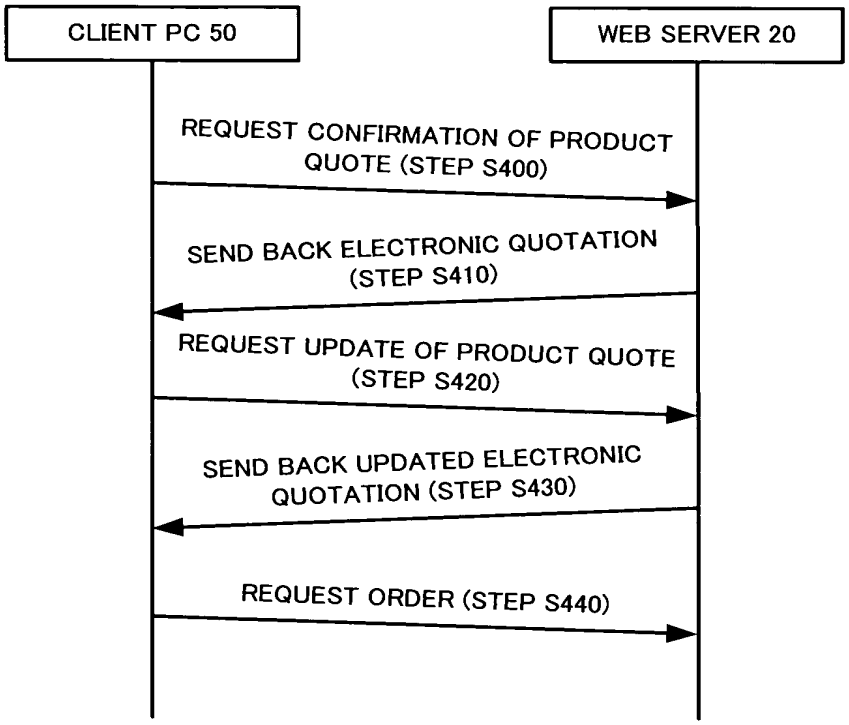

CLIENT PC 50
WEB SERVER 20
REQUEST CONFIRMATION OF PRODUCT QUOTE (STEP S400)
SEND BACK ELECTRONIC QUOTATION (STEP S410)
REQUEST UPDATE OF PRODUCT QUOTE (STEP S420)
SEND BACK UPDATED ELECTRONIC QUOTATION (STEP S430)
REQUEST ORDER (STEP S440)

FIG. 7

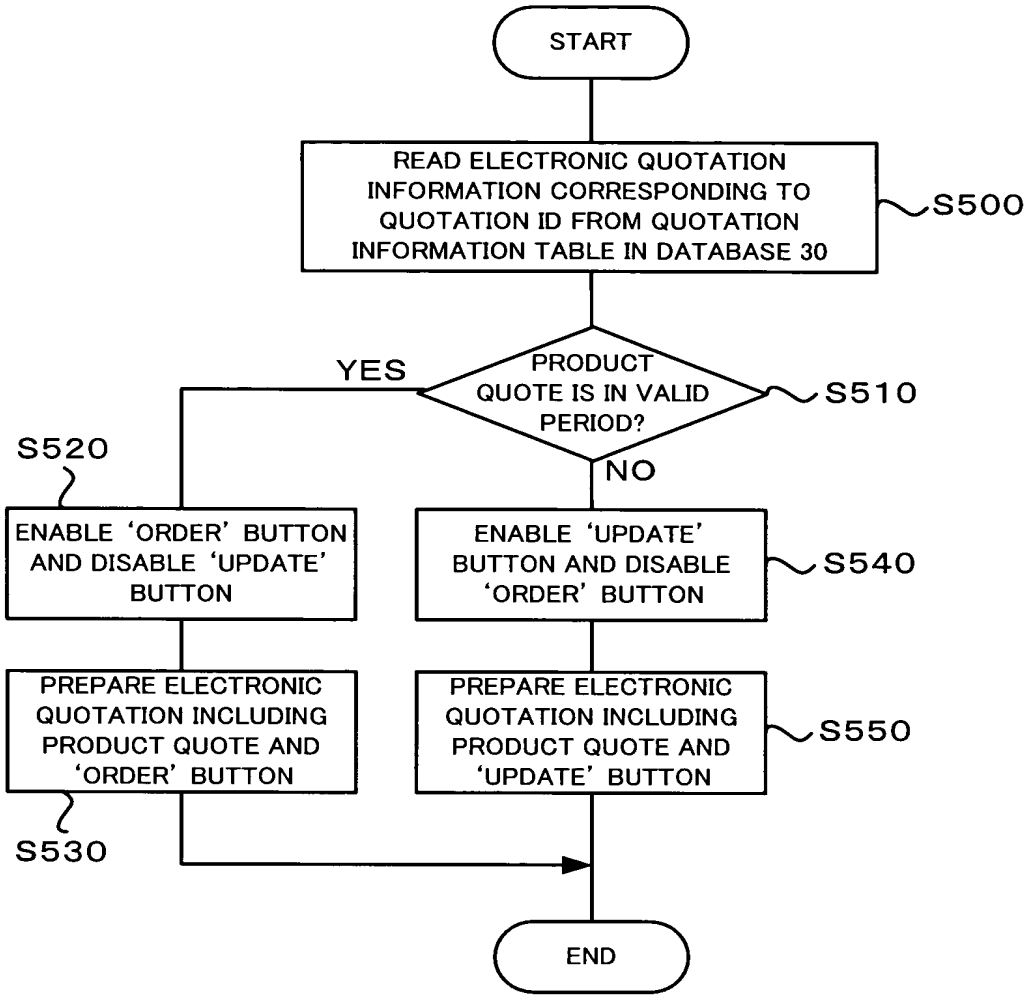

START
READ ELECTRONIC QUOTATION INFORMATION CORRESPONDING TO QUOTATION ID FROM QUOTATION INFORMATION TABLE IN DATABASE 30
S500
PRODUCT QUOTE IS IN VALID PERIOD?
S510
YES
NO
S520
ENABLE 'ORDER' BUTTON AND DISABLE 'UPDATE' BUTTON
ENABLE 'UPDATE' BUTTON AND DISABLE 'ORDER' BUTTON
S540
PREPARE ELECTRONIC QUOTATION INCLUDING PRODUCT QUOTE AND 'ORDER' BUTTON
PREPARE ELECTRONIC QUOTATION INCLUDING PRODUCT QUOTE AND 'UPDATE' BUTTON
S550
S530
END

FIG. 8

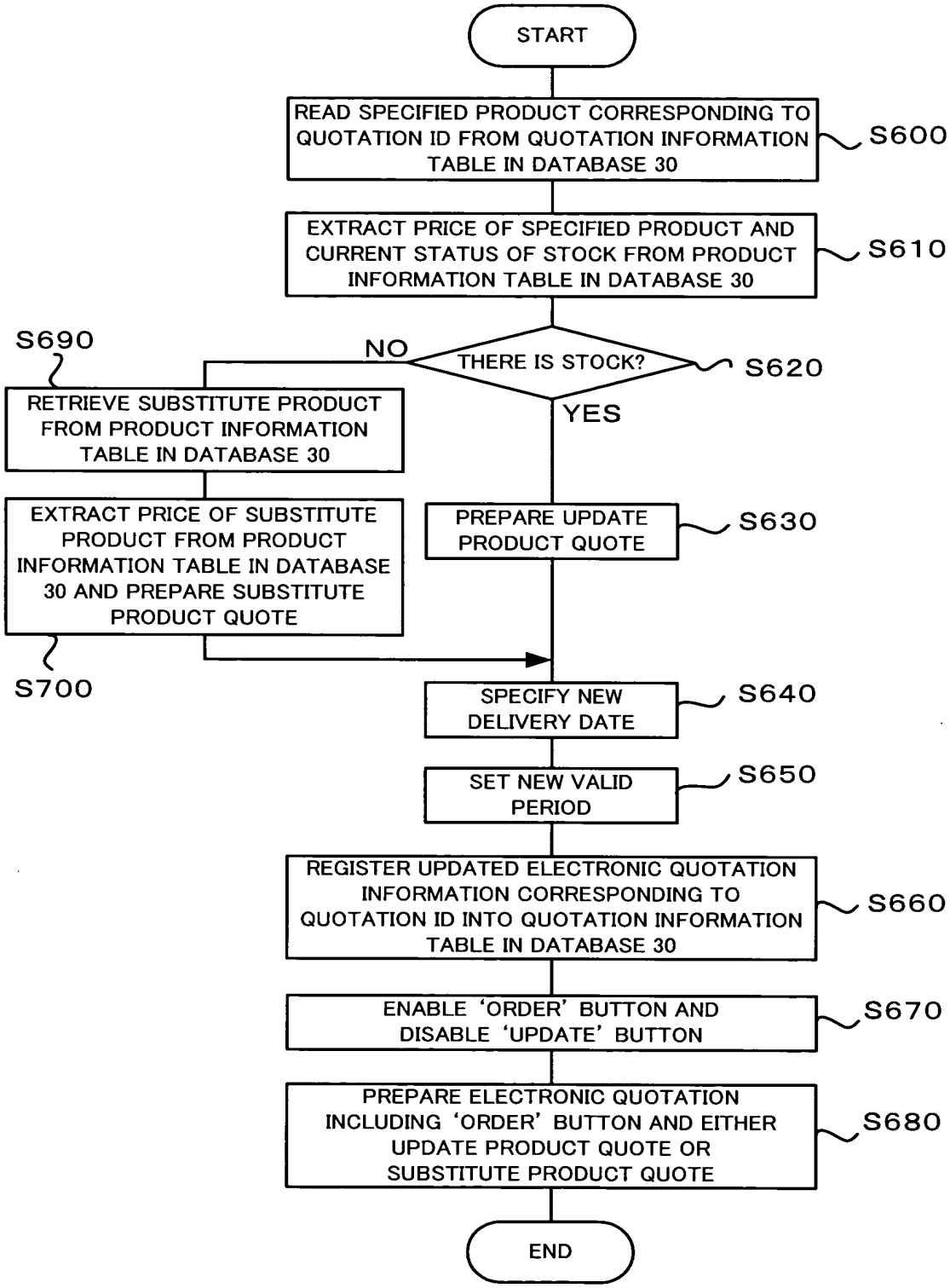

START
READ SPECIFIED PRODUCT CORRESPONDING TO QUOTATION ID FROM QUOTATION INFORMATION TABLE IN DATABASE 30
S600
EXTRACT PRICE OF SPECIFIED PRODUCT AND CURRENT STATUS OF STOCK FROM PRODUCT INFORMATION TABLE IN DATABASE 30
S610
THERE IS STOCK?
S620
NO
YES
S690
RETRIEVE SUBSTITUTE PRODUCT FROM PRODUCT INFORMATION TABLE IN DATABASE 30
EXTRACT PRICE OF SUBSTITUTE PRODUCT FROM PRODUCT INFORMATION TABLE IN DATABASE 30 AND PREPARE SUBSTITUTE PRODUCT QUOTE
S700
PREPARE UPDATE PRODUCT QUOTE
S630
SPECIFY NEW DELIVERY DATE
S640
SET NEW VALID PERIOD
S650
REGISTER UPDATED ELECTRONIC QUOTATION INFORMATION CORRESPONDING TO QUOTATION ID INTO QUOTATION INFORMATION TABLE IN DATABASE 30
S660
ENABLE 'ORDER' BUTTON AND DISABLE 'UPDATE' BUTTON
S670
PREPARE ELECTRONIC QUOTATION INCLUDING 'ORDER' BUTTON AND EITHER UPDATE PRODUCT QUOTE OR SUBSTITUTE PRODUCT QUOTE
S680
END

FIG. 9

(a) Electronic Quotation Information in Valid Period

Quotation ID	Client Information	Electronic Quotation Information			
		Product Quote		Delivery Date	Valid Period
		Specified Product	Price		
0A01	Postal Address : ○○ Name : □□ TEL : × × FAX : △△ Mail Address : ##@aaa.bbb	Tower Personal Computer Model : XX Quantity : 1 OS : AAAAA CPU : BBBBB Memory : CCCCC	Sub-Total : ¥ xxx Postage : ¥ yyy	AA	xxxx/xx/xx

(b) Updated Electronic Quotation Information after Expiration of Valid period (With Stock)

Quotation ID	Client Information	Electronic Quotation Information			
		Product Quote		Delivery Date	Valid Period
		Specified Product	Price		
0A01	Postal Address : ○○ Name : □□ TEL : × × FAX : △△ Mail Address : ##@aaa.bbb	Tower Personal Computer Model : XX Quantity : 1 OS : AAAAA CPU : BBBBB Memory : CCCCC	Sub-Total : ¥ xxx Postage : ¥ yyy	BB	yyyy/yy/yy

(c) Updated Electronic Quotation Information after Expiration of Valid Period (Without Stock)

Quotation ID	Client Information	Electronic Quotation Information			
		Product Quote		Delivery Date	Valid Period
		Specified Product	Price		
0A01	Postal Address : ○○ Name : □□ TEL : × × FAX : △△ Mail Address : ##@aaa.bbb	Tower Personal Computer Model : XY Quantity : 1 OS : A' A' A' A' A' CPU : B' B' B' B' B' Memory : C' C' C' C'	Sub-Total : ¥ zzz Postage ; ¥yyy	CC	zzzz/zz/zz

FIG. 10

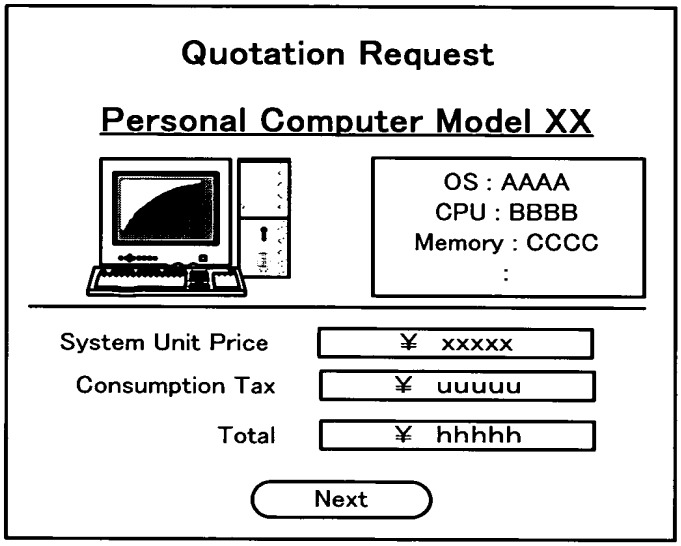
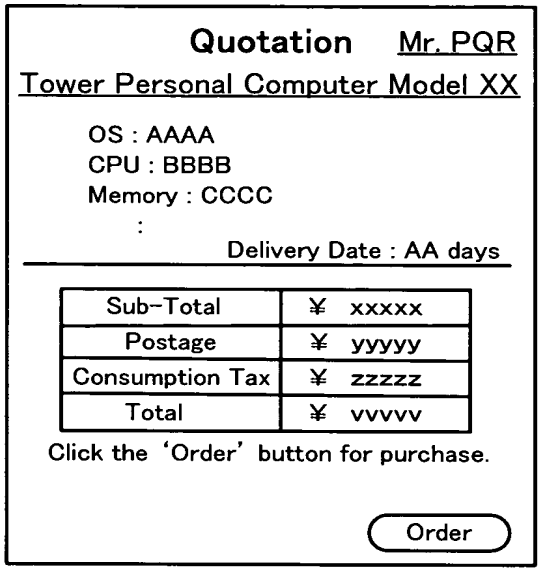
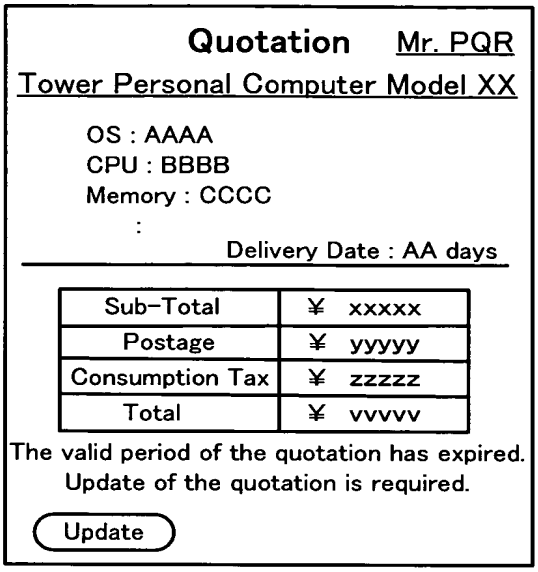

Quotation Request
Personal Computer Model XX
OS : AAAA
CPU : BBBB
Memory : CCCC
:
System Unit Price
¥ xxxxx
Consumption Tax
¥ uuuuu
Total
¥ hhhhh
Next

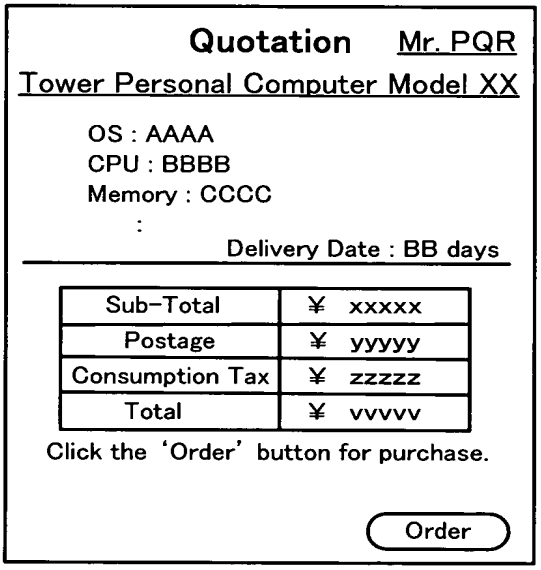
FIG. 11



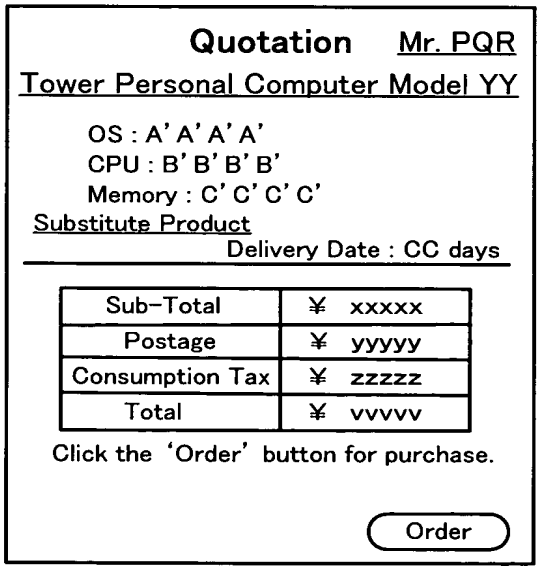
(a) In Valid Period



(b) After Expiration of Valid Period



(c) Updated with Stock



(d) Updated without Stock

FIG. 12

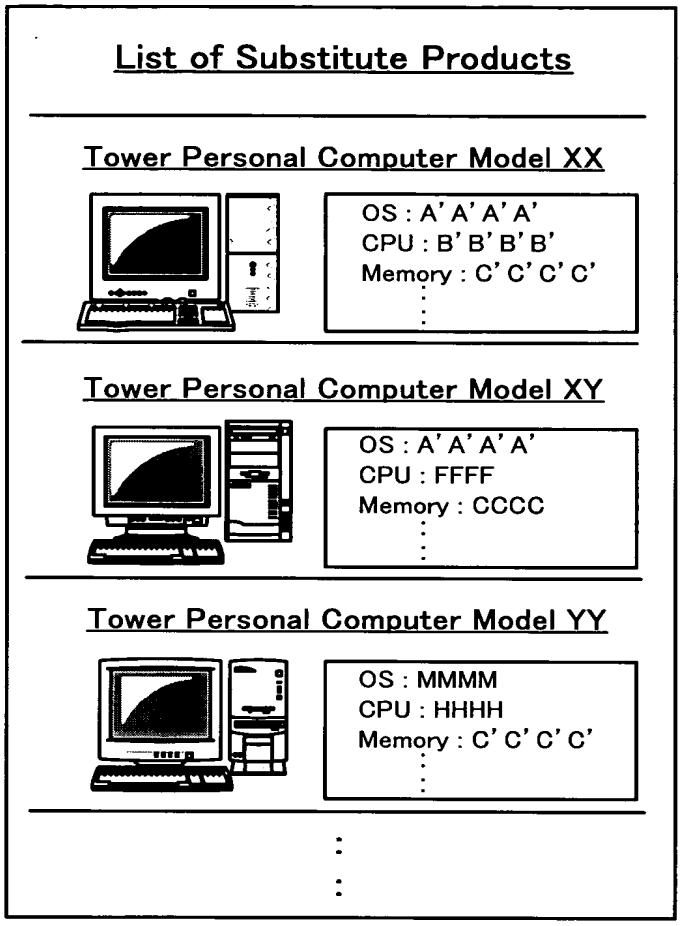

List of Substitute Products
Tower Personal Computer Model XX
OS : A' A' A' A'
CPU : B' B' B' B'
Memory : C' C' C' C'
Tower Personal Computer Model XY
OS : A' A' A' A'
CPU : FFFF
Memory : CCCC
Tower Personal Computer Model YY
OS : MMMM
CPU : HHHH
Memory : C' C' C' C'

FIG. 13

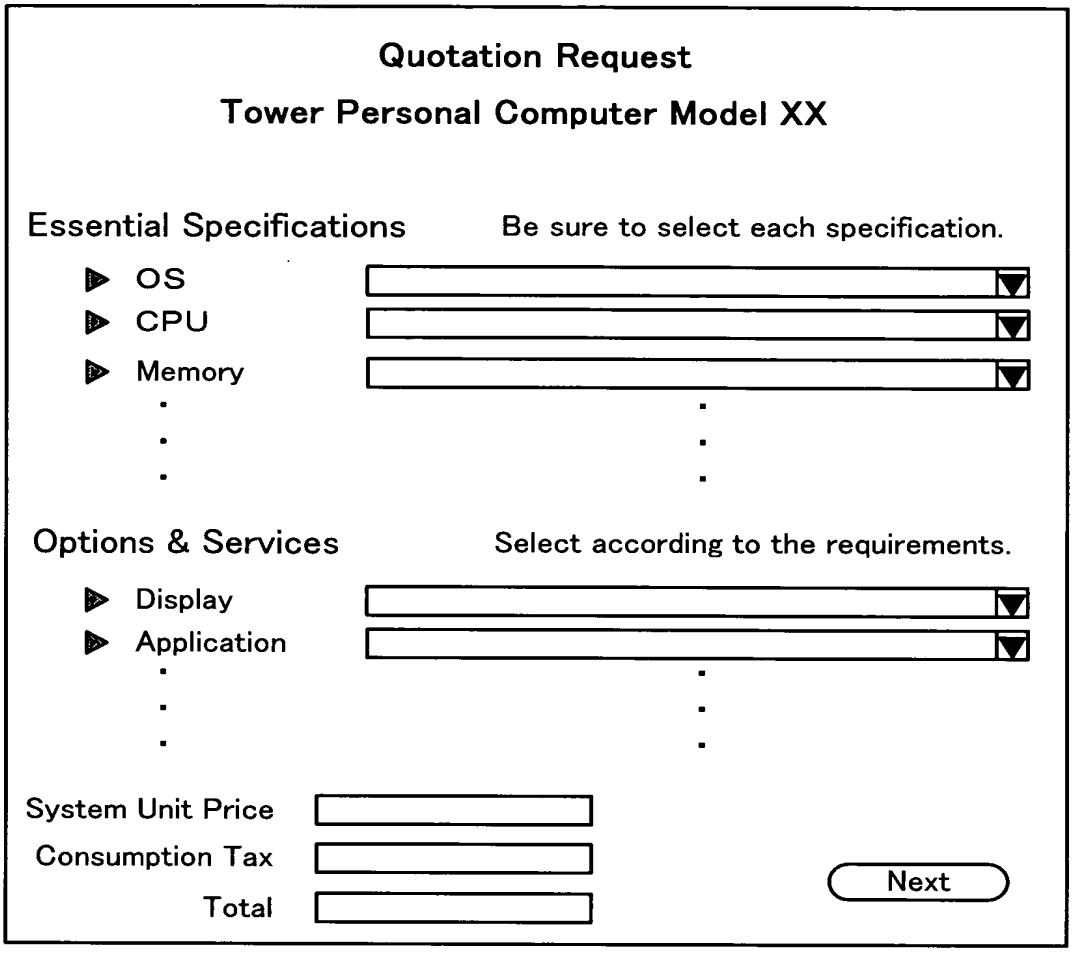

Quotation Request
Tower Personal Computer Model XX
Essential Specifications
Be sure to select each specification.
OS
CPU
Memory
Options & Services
Select according to the requirements.
Display
Application
System Unit Price
Consumption Tax
Total
Next

FIG. 14

Component	Product Information		
	Unit Price	Stock	Substitute Components
Video Board XX	¥ xxxxx	XXX	Model AA Model BB Model CC :
Video Board YY	¥ XXXYY	XXY	Model DD Model EE :

FIG. 15

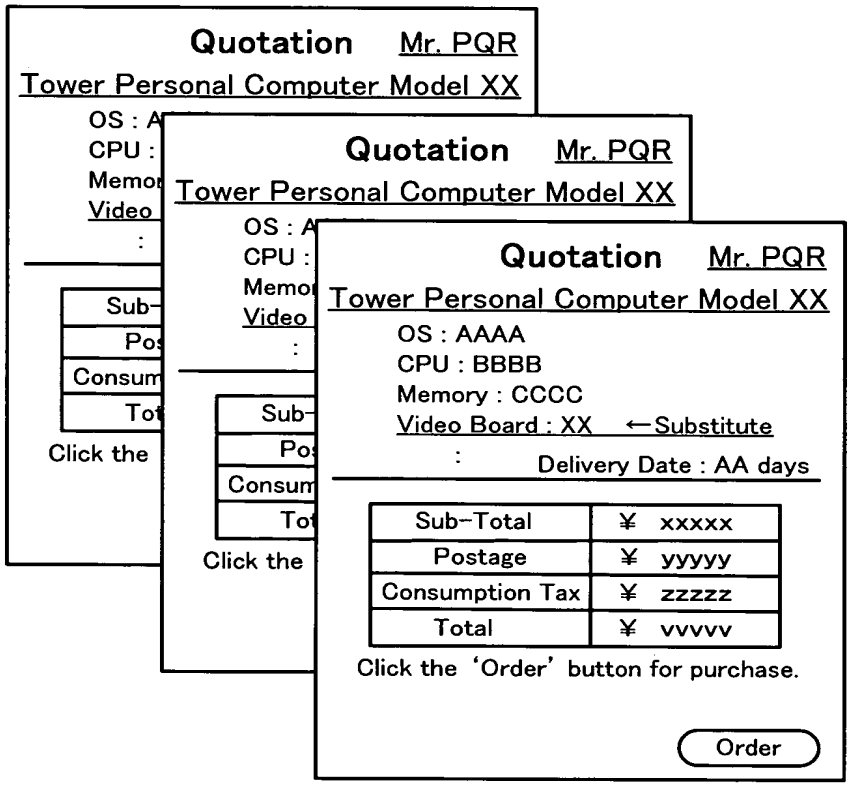

Quotation Mr. PQR
Tower Personal Computer Model XX
OS : AAAA
CPU : BBBB
Memory : CCCC
Video Board : XX ←Substitute
: Delivery Date : AA days
Sub-Total ¥ xxxxx
Postage ¥ yyyyy
Consumption Tax ¥ zzzzz
Total ¥ vvvvv
Click the 'Order' button for purchase.
Order

FIG. 16

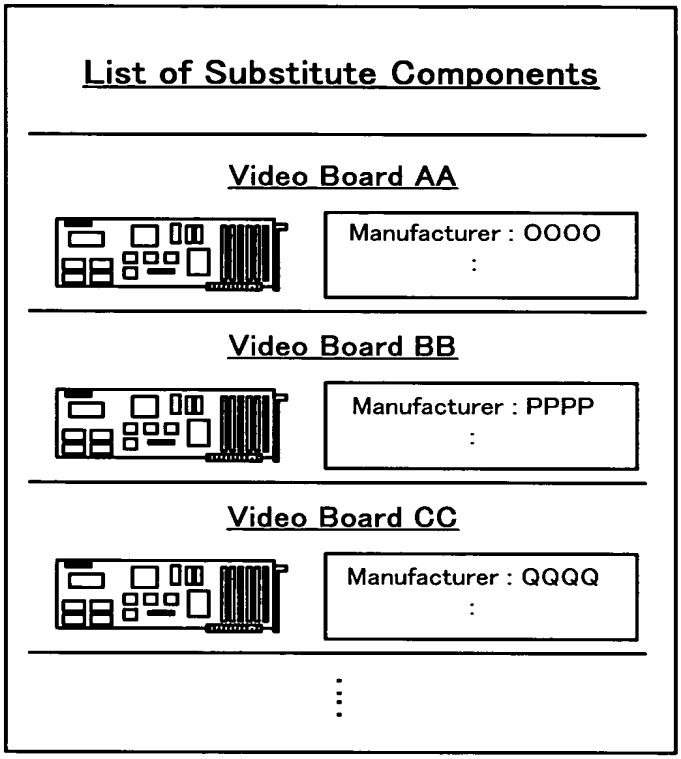
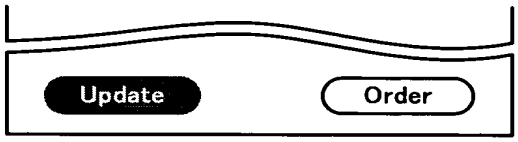
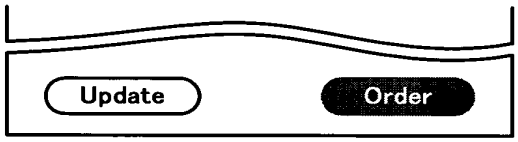

List of Substitute Components
Video Board AA
Manufacturer : OOOO
:
Video Board BB
Manufacturer : PPPP
:
Video Board CC
Manufacturer : QQQQ
:

FIG. 17



(a) In Valid Period



(b) After Expiration of Valid Period